

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/070,566 A  
Source: IFW16  
Date Processed by STIC: 12/6/04

# **ENTERED**



IFW16

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004  
 TIME: 11:44:05

Input Set : A:\07657~1.txt  
 Output Set: N:\CRF4\12072004\J070566A.raw

3 <110> APPLICANT: Bendig, Mary  
 4 Jones, Tim  
 5 Hellendoorn, Koen  
 7 <120> TITLE OF INVENTION: Chimaeric Plant Viruses with Mucin Peptides  
 9 <130> FILE REFERENCE: DOW-07657  
 11 <140> CURRENT APPLICATION NUMBER: 10/070,566A  
 12 <141> CURRENT FILING DATE: 2002-03-07  
 14 <160> NUMBER OF SEQ ID NOS: 38  
 16 <170> SOFTWARE: PatentIn version 3.2  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 20  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Artificial Sequence  
 23 <220> FEATURE:  
 24 <223> OTHER INFORMATION: Synthetic  
 26 <400> SEQUENCE: 1  
 28 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly  
 29 1 5 10 15  
 32 Val Thr Ser Ala.  
 33 20  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 5  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Artificial Sequence  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: Synthetic  
 44 <400> SEQUENCE: 2  
 46 Pro Asp Thr Arg Pro  
 47 1 5  
 50 <210> SEQ ID NO: 3  
 51 <211> LENGTH: 5  
 52 <212> TYPE: PRT  
 53 <213> ORGANISM: Artificial Sequence  
 55 <220> FEATURE:  
 56 <223> OTHER INFORMATION: Synthetic  
 58 <400> SEQUENCE: 3  
 60 Ala Pro Asp Thr Arg  
 61 1 5  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 8  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Artificial Sequence  
 69 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004  
TIME: 11:44:05

Input Set : A:\07657~1.txt  
Output Set: N:\CRF4\12072004\J070566A.raw

70 <223> OTHER INFORMATION: Synthetic  
72 <400> SEQUENCE: 4  
74 Asp Ala His Trp Glu Ser Trp Leu  
75 1 5  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 8  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: Synthetic  
86 <400> SEQUENCE: 5  
88 Asp Leu His Trp Ala Ser Trp Val  
89 1 5  
92 <210> SEQ ID NO: 6  
93 <211> LENGTH: 16  
94 <212> TYPE: PRT  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: Synthetic  
100 <400> SEQUENCE: 6  
102 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala  
103 1 5 10 15  
106 <210> SEQ ID NO: 7  
107 <211> LENGTH: 23  
108 <212> TYPE: PRT  
109 <213> ORGANISM: Artificial Sequence  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Synthetic  
114 <400> SEQUENCE: 7  
116 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly  
117 1 5 10 15  
120 Val Thr Ser Ala Pro Asp Thr  
121 20  
124 <210> SEQ ID NO: 8  
125 <211> LENGTH: 39  
126 <212> TYPE: DNA  
127 <213> ORGANISM: Soybean mosaic virus  
129 <400> SEQUENCE: 8  
130 atggaaggag gatcatctaa gactgctgtg aacactggg 39  
133 <210> SEQ ID NO: 9  
134 <211> LENGTH: 13  
135 <212> TYPE: PRT  
136 <213> ORGANISM: Soybean mosaic virus  
138 <400> SEQUENCE: 9  
140 Met Glu Gly Gly Ser Ser Lys Thr Ala Val Asn Thr Gly  
141 1 5 10  
144 <210> SEQ ID NO: 10  
145 <211> LENGTH: 48  
146 <212> TYPE: DNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004  
TIME: 11:44:05

Input Set : A:\07657~1.txt  
Output Set: N:\CRF4\12072004\J070566A.raw

147 <213> ORGANISM: Soybean mosaic virus  
149 <400> SEQUENCE: 10  
150 ggtgttactt ctgctcctga tactagacct gtcctgggtt ctactgct 48  
153 <210> SEQ ID NO: 11  
154 <211> LENGTH: 68  
155 <212> TYPE: DNA  
156 <213> ORGANISM: Artificial Sequence  
158 <220> FEATURE:  
159 <223> OTHER INFORMATION: Synthetic  
161 <400> SEQUENCE: 11  
162 gatccgggtgt tacttctgct cctgatacta gacctgctcc tggttctact gcttctaaga 60  
164 ctgctgtt 68  
167 <210> SEQ ID NO: 12  
168 <211> LENGTH: 68  
169 <212> TYPE: DNA  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: Synthetic  
175 <400> SEQUENCE: 12  
176 gatcctctgg tggtaattct gtcctgata ctagacctgc tcctggttct actgctaaga 60  
178 ctgctgtt 68  
181 <210> SEQ ID NO: 13  
182 <211> LENGTH: 68  
183 <212> TYPE: DNA  
184 <213> ORGANISM: Artificial Sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: Synthetic  
189 <400> SEQUENCE: 13  
190 gatcctctaa gggtgttact tctgctcctg atactagacc tgtcctgggt tctactgcta 60  
192 ctgctgtt 68  
195 <210> SEQ ID NO: 14  
196 <211> LENGTH: 68  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Synthetic  
203 <400> SEQUENCE: 14  
204 gatcctctaa gactgggttt acttctgctc ctgatactag acctgctcct gggttctactg 60  
206 ctgctgtt 68  
209 <210> SEQ ID NO: 15  
210 <211> LENGTH: 68  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Synthetic  
217 <400> SEQUENCE: 15  
218 gatcctctaa gactgctgggt gttacttctg ctcctgatac tagacctgct cctgggttcta 60  
220 ctgctgtt 68  
223 <210> SEQ ID NO: 16

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004  
TIME: 11:44:05

Input Set : A:\07657~1.txt  
Output Set: N:\CRF4\12072004\J070566A.raw

224 <211> LENGTH: 33  
225 <212> TYPE: PRT  
226 <213> ORGANISM: Lucerne transient streak virus  
228 <400> SEQUENCE: 16  
230 Asn Ile Tyr Ala Pro Ala Arg Leu Thr Ile Ala Ala Asn Ser Ser  
231 1 5 10 15  
234 Ile Asn Ile Ala Ser Val Gly Thr Leu Tyr Ala Thr Tyr Glu Val Glu  
235 20 25 30  
238 Leu  
242 <210> SEQ ID NO: 17  
243 <211> LENGTH: 37  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Soybean mosaic virus  
247 <400> SEQUENCE: 17  
249 Asn Ile Gly Asn Ile Leu Val Pro Ala Arg Leu Val Ile Ala Met Glu  
250 1 5 10 15  
253 Gly Gly Ser Ser Lys Thr Ala Val Asn Thr Gly Arg Leu Tyr Ala Ser  
254 20 25 30  
257 Tyr Thr Ile Arg Leu  
258 35  
261 <210> SEQ ID NO: 18  
262 <211> LENGTH: 37  
263 <212> TYPE: PRT  
264 <213> ORGANISM: Soybean mosaic virus  
266 <400> SEQUENCE: 18  
268 Asn Ile Ala Thr Asp Leu Val Pro Ala Arg Leu Val Ile Ala Leu Leu  
269 1 5 10 15  
272 Asp Gly Ser Ser Ser Thr Ala Val Ala Ala Gly Arg Ile Tyr Ala Ser  
273 20 25 30  
276 Tyr Thr Ile Gln Met  
277 35  
280 <210> SEQ ID NO: 19  
281 <211> LENGTH: 51  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Lucerne transient streak virus  
285 <400> SEQUENCE: 19  
286 atagccgcag ctaacagctc cataaacata gctagtgtgg gtactcttta t 51  
289 <210> SEQ ID NO: 20  
290 <211> LENGTH: 17  
291 <212> TYPE: PRT  
292 <213> ORGANISM: Lucerne transient streak virus  
294 <400> SEQUENCE: 20  
296 Ile Ala Ala Ala Asn Ser Ser Ile Asn Ile Ala Ser Val Gly Thr Leu  
297 1 5 10 15  
300 Tyr  
304 <210> SEQ ID NO: 21  
305 <211> LENGTH: 83  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004

TIME: 11:44:05

Input Set : A:\07657~1.txt

Output Set: N:\CRF4\12072004\J070566A.raw

309 <220> FEATURE:  
 310 <223> OTHER INFORMATION: Synthetic  
 312 <400> SEQUENCE: 21  
 313 gctaacagcg gtgttacttc tgctcctgat actagacacctg ctccctgggttc tactgcttcc 60  
 315 ataaacatag ctatgtgtggg tac 83  
 318 <210> SEQ ID NO: 22  
 319 <211> LENGTH: 83  
 320 <212> TYPE: DNA  
 321 <213> ORGANISM: Artificial Sequence  
 323 <220> FEATURE:  
 324 <223> OTHER INFORMATION: Synthetic  
 326 <400> SEQUENCE: 22  
 327 gctaacagct ccgggtgttac ttctgctcct gatactagac ctgctcctgg ttctactgct 60  
 329 ataaacatag ctatgtgtggg tac 83  
 332 <210> SEQ ID NO: 23  
 333 <211> LENGTH: 83  
 334 <212> TYPE: DNA  
 335 <213> ORGANISM: Artificial Sequence  
 337 <220> FEATURE:  
 338 <223> OTHER INFORMATION: Synthetic  
 340 <400> SEQUENCE: 23  
 341 gctaacagct ccataagggtt tacttctgct cctgataacta gacctgctcc tggttctact 60  
 343 gctaacatag ctatgtgtggg tac 83  
 346 <210> SEQ ID NO: 24  
 347 <211> LENGTH: 83  
 348 <212> TYPE: DNA  
 349 <213> ORGANISM: Artificial Sequence  
 351 <220> FEATURE:  
 352 <223> OTHER INFORMATION: Synthetic  
 354 <400> SEQUENCE: 24  
 355 gctaacagct ccataaacgg tggttacttct gctcctgata cttagacctgc tcctgggtct 60  
 357 actgctatag ctatgtgtggg tac 83  
 360 <210> SEQ ID NO: 25  
 361 <211> LENGTH: 83  
 362 <212> TYPE: DNA  
 363 <213> ORGANISM: Artificial Sequence  
 365 <220> FEATURE:  
 366 <223> OTHER INFORMATION: Synthetic  
 368 <400> SEQUENCE: 25  
 369 gctaacagct ccataaacat aggtgttact tctgctcctg atactagacc tgctcctgg 60  
 371 tctactgctg ctatgtgtggg tac 83  
 374 <210> SEQ ID NO: 26  
 375 <211> LENGTH: 83  
 376 <212> TYPE: DNA  
 377 <213> ORGANISM: Artificial Sequence  
 379 <220> FEATURE:  
 380 <223> OTHER INFORMATION: Synthetic  
 382 <400> SEQUENCE: 26  
 383 gctaacagct ccataaacat agctgggtt acttctgctc ctgataactag acctgctcct 60

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/070,566A

DATE: 12/07/2004

TIME: 11:44:06

Input Set : A:\07657~1.txt

Output Set: N:\CRF4\12072004\J070566A.raw